

What is claimed is:

1. A semiconductor-laser-excited solid-state laser apparatus comprising:

a semiconductor laser unit including a first resonator; and

a solid-state laser element which is excited by light emitted from the semiconductor laser unit, and emits laser light;

wherein said first resonator has a length of at least 0.8 mm.

2. A semiconductor-laser-excited solid-state laser apparatus according to claim 1, wherein said first resonator has a length of at least 1 mm.

3. A semiconductor-laser-excited solid-state laser apparatus according to claim 1, wherein said first resonator has a length of at least 1.5 mm.

4. A semiconductor-laser-excited solid-state laser apparatus according to claim 1, further comprising,

a second resonator which is formed by said solid-state laser element and a mirror arranged outside of said solid-state laser element, and

a wavelength conversion element which is arranged in said second resonator, and generates a second harmonic wave.

5. A semiconductor-laser-excited solid-state

laser apparatus according to claim 4, wherein said first resonator has a length of at least 1 mm.

6. A semiconductor-laser-excited solid-state laser apparatus according to claim 4, wherein said first resonator has a length of at least 1.5 mm.

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